

Role of the Root Mass in the Desalinization
of Soil, by E. P. Lagunova.

RUSSIAN, per, Pochvovedenie, No 1, 1952,
pp 28-40.

CSIRO

Sci - Chem
Apr 62

190, 482

Chemico-Geographical Regularities in the
Salinization of Soils of the Kura-Araks Plain,
by V. R. Volobuev, 10 pp.

^y
RUSSIAN, per, Pochvovedenie, No 2, 1950, pp 117-123.

Sci Trans Center RT-961

Geophysics
Scientific - ~~Chemistry~~

CTS/DEX

14,049

63-11082

Nogina, N. A.
CONCERNING THE STRAW-YELLOW-PODZOLIC
SOILS OF BELO-RUSSIA (O Palevo-Podzolistykh
Pochvakh Belorussii). 1963, 16p. 7 refs. PL-480 Agr.
Order from OTS \$0.50 63-11082

Trans. of Pochvovedenie (USSR) 1952, no. 2,
p. 132-144.

9212585
DESCRIPTORS: *Soils, *Soil mechanics, Physical
properties, Chemical properties.

9212812

(Agriculture--Plant Cultivation, TT, v. 10, no. 3)

I. Nogina, N. A.
II. PL-480 Agr (63-11082)
III. National Science Foun-
dation, Washington, D. C.

Office of Technical Services

The Loess Problem and the Formation of Serozem,
by A. H. Rozanov, 23 pp. 9080445

RUSSIAN, per, Pochvovedeniye, No 7, 1952,
pp 611-627.

OTS 60-21845
PLAEO

Sci - Geophys
Sep 61
PST No 246

166, 921

A Method of Determining the Acidity of Peat Bog
and Swamp Soils, by N. I. Alyamovskiy

RUSSIAN, per, Pochvovedenie, No 7, 1952, pp 668-670.

Co-op Tr Sch 41

Scientific - Chemistry
CTS/DIK

7862

01-31101

Klychnikov, V. M.

A DEVICE FOR DETERMINING THE PERMEABILITY OF SOILS TO WATER UNDER FIELD CONDITIONS (Pribor dlya Opredeleeniya Vodopronitsaemosti Pochvogruntov v Polevykh Usloviyakh). 1962, 13p. 3 refs. PL-480 Agr.
Order from OTS \$0.50 61-31161

Trans. of Pochvovedenie (USSR) 1952, no. 9, p. 851-859.

DESCRIPTORS: *Soils, *Water, *Permeability, Determination, Instrumentation, Moisture, Absorption.

(Agriculture--Plant Cultivation, TT, v. 8, no. 11)

I. Klychnikov, V. M.
II. PL-480 Agr (61-31161)
III. National Science Foundation,
Washington, D. C.

Office of Technical Services

Surmach, G. P.
STUDY OF PERMEABILITY AND RUNOFF ON DETRITAL CHESTNUT SOIL BY THE SPRINKLING METHOD (Izuchenie Vodopronitsaemosti i Stoka na Shebniystykh Pochvakh po Metody Iskustvennogo Dozhdevaniya). 1963, 11p. 6 refs. PL-480 Agr.
Order from OTS \$0.50

63-11037

Trans. of Pochvovedenie (USSR) 1952, no. 10,
p. 936-944.

9212591 9212819

DESCRIPTORS: *Soils, Porosity, *Drainage, *Erosions,
Tests, Moisture, Permeability, Sprinklers.

The work deals with the study of the factors of water permeability and the conditions for the formation of runoff from the least investigated loamy detrital soils of the chestnut type under conditions resembling, as closely as possible, the natural ones, i.e., under sprinkling and in the presence of runoff. (Author)
(Agriculture--Plant Cultivation, TT, v. 10, no. 3)

63-11037

- I. Surmach, G. P.
- II. PL-480 Agr (63-11037)
- III. National Science Foundation, Washington, D. C.

Office of Technical Services

Scientific Fundamentals of Soil Systematics
by I. P. Gerasimov, 8 pp.
RUSSIAN, per, Pochvovedenie, No 11,
1952, pp 1019-1026.
OTS-TT 65-50060

Sci-E. Sci & Astron
May 65

278,475

Minor Elements Cu, Zn, Co, and Mn in Some Soil
of Latvian SSR, by A. S. Sharova.

RUSSIAN, per, Pochvovedeniye, Vol III, pp 2-31.

*PL-480

OTS 65-50037

Sci - Agri
Apr 64

The Effect of a Lucerne Grass Mixture on
the Improvement of the Structure of Western
Precaucasian Chernozems, by M. G. Chizhevskiy,
V. S. Kosinskiy, 11 pp.

RUSSIAN, no per, Pochvoved, No 2, 1953,
pp 52-59.

Sci Trans Center
RT-2094

Scientific - Biology
CTS 70/Jul 55

25,443

A Rapid Method for Determining Soil Moisture,
by P. V. Ivanov, 10 pp.

RUSSIAN, per, Pochvovedanie, No 3, 1953,
pp 61-65.

Sci Trans Center
RT-1676

Scientific - Geophysics

Dec 54 CTS/DEX

14,674

Comparative Study of the Pipette Method and the
Aerometric Method of Mechanical Analysis of Soils,
by A. F. Makarova, E. N. Platova, 23 pp.

RUSSIAN, per, Pochvovedenie, No 5, 1953, pp 55-66.

Sci Trans Center
RT-1673

Scientific - Geophysics

Dec 54, CTS/DEX

14,678

What is Needed is a Classification of Soils and Not
Their List, by K. P. Gorshenin, 9 pp.
RUSSIAN, per, Pochvovedenie, No 6, 1953, pp 45-49.
NTIS TT 70-57114

July 71

Apparatus for Determining the Volume of Small
Particles (Soil Particles, Fine Seeds, Clover
Nodules, etc), by V. A. Shirshov, 3 pp.

RUSSIAN, no per, Pochvovedeniye, No 10, 1953,
p 79.

Sci Tr Center RT-2414

Scientific - Biology
Dec 55 CTS/DEX

29,098

V Application of Fertilizers As a Means of Increasing
the Productivity and Fertility of Soils, by A. V.
Sokolov,

RUSSIAN, per, Pochv^oedenie, No 1, 1954, pp 3-7.
CIA D 432370

USSR
Scientific - Biology

USIA

32,287

Mar 56

On Organizing a Soil Service , by P. G. Aderikhin,
9 pp,

RUSSIAN, per, Pochvovedenie, No 3, pp 55-59, Mar
1954.

SLA R-1578

Sci - Chem
Aug 58

70,631

Improvement of Solonchaks Soils in the USSR
by P. A. Dmitrenko, I. G. Zakharchenko, Kh. S.
Spivak, From Review of "Melioratsiya Solontsov
v SSSR", I. N. Antipov-Karatayev, I. V. Tyurin (eds.),
Moscow, 1953, 6 pp.

RUSSIAN, per, Pochvovedenie, No 3, 1954, pp 94-96.

Sci Tr Center
RT-3998

59,155

USSR - Economic, agriculture
Sep 56 CFS/dex

The Present-day Concept of Eluvium and Eluvial
Soils, by B. B. Poludnov, 11 pp,

RUSSIAN, per, Pochvovedenie, No 5, 1954,
pp 38-49.

Sci Mu Lib Tr 55/0630

24,386

Scientific - Biology

Jun 55 CTS

On Organizing a Soil Service, by P. G. Aderikhin.

RUSSIAN, per, Pochvovedeniye, No 5, Mar 1954,
pp 55-59. CIA 9004380

USDA

~~Index~~

USSR

Econ

Apr 1957 CTS/dex

47,148

(FDD 25981)

The Nourishment of Plants and the Utilization of
Fertilizers, by F. V. Turchin, 22 pp.

RUSSIAN, no per, Pochvovedeniye, No 6, Moscow, Jun
1954, pp 48-59.

CIA/FDD U-9199

USER

Sci - Biology

Eco - Agriculture

Nov 1956/CTB

41,975

Fundamental Improvement of the Chestnut-Brown
and Brown Zones, by I. N. Antipov-Karatayev.

RUSSIAN, per, Pochvovedenie, No 7, 1954,
pp 93-102.

CSIRO

USSR
Econ - Agriculture
Apr 62

190,460

Evaluating the Nutritive Region^{ne} of the Soil by
Chemical Analysis of Plants, by K. P. Magnitskiy

RUSSIAN, per, Pochvovedenie, No 7, 1954, pp 113-125.
CIA D 432339

RT-1686
USDA

Scientific - Biology

32,289

Mar 56

Gerasimov, I. P.
SCIENTIFIC PRINCIPLES OF SOIL SYSTEMATICS
AND CLASSIFICATION (Nauchnye Osnovy Siste-
matiki i Klassifikatsii Pochvy). 1962, 15p. 14 refs.
PL-480 Agr.

Order from OTS \$0.50

61-11493

Trans. of Pochvovedenie (USSR) 1954, no. 8, p. 52-64

DESCRIPTORS: *Soils, *Classification, *Geological
time, Temperature, Climatic factors.

An attempt is made to describe the present state of
the problems of the systematization and classification
of USSR soils and to advance a series of propositions,
of principles, that require collective consideration.
(Author)

(Earth Sciences--Geology, TT, v. 7, no. 8)

61-11493

I. Gerasimov, I. P.
II. PL-480 Agr (61-11493)
III. National Science Foun-
dation, Washington, D. C.

Office of Technical Services

Some Problems of Root Nutrition of Plants ¹ (After
Work Done at the Laboratory of D. N. Prishnikov).

RUSSIAN, per, Pochvovedenie, No 8, 1954, pp 65-77.
CIA 9006768

USDA

4-0, 354

Sci - Biology
Nov 1956 CTS/daa

Interaction Between Humic Substances and the Mineral
Component of the Soil, by L. N. Aleksandrova, 24 pp.

RUSSIAN, per, Pochvovedenie, ~~XXXXXX~~ No 9, 1954,
pp 23-34.

Sci Tr Center RC-4205

Sci - Geophysics

41,546

Soil Water and Run-Off Within the Soil. (Analysis of
a Discussion of Intra-Soil Run-Off.), by A. A. Rods,
20 pp.

RUSSIAN, per, Pochvovedenie, No 9, 1954, pp 52-63.

Sci Tr Center
RT - 3677

Sci - Geophysics

37,184

Aug 1956

Roda, A. A.
SOIL WATERS AND SOIL FLOW. - 1954
from Journal *Pochovedeniye*, No. 9, pp. 52-63. Moscow
In Russian.

APL 480
ARS

apr 61

Methods of Energy Investigation in Agronomic
Problems, by A. F. Chudnovskiy

RUSSIAN, per, Pochvovedenie, No 9, 1954, pp 64-71.
CIA D 432344

USDA

Scientific - Biology

32,291

Mar 56

RT 3678

Polynov, B. B.

N. N. Rozov

Conditions of soil formation and soils of
Asia Minor (Usloviya pochvo-obrazovaniya i
pochvy Maloy Azii). --- Pochovedenie (Moscow),
(9): 426-432. Map. 1954. In Russian.

426-432
Agri...

Determining the Water Permeability of Soils During
Sprinkling, by P. G. Abramov.

RUSSIAN, per, Pochvovedenie, No 11, Nov 1954, pp 71-79.
CIA 9016917

USDA

60,254

Sci - Geophysics
Mar 58

1
Some Urgent Scientific-Research Problems in the
Field of Agronomy, by A. G. Doyarenko

RUSSIAN, per, Pochvovedenie, Vol I, 1955, pp 12-15.
CIA D 440198

USIA

Scientific - Biology

32,653

Application of Chromatographic Method to Investigation of Fulvic Acids, by T. V. Drozdova, 12 pp.

RUSSIAN, per, Pochvovedenie, No 1, 1955, pp 83-87.

Sci Mus Lib Tr 57/1220

Sci - Chemistry
Aug 57

57,407

The Fundamental Principles of Soil Classification,
by K. P. Gershonin.

ru
RUSSIAN, sk, Pochvovedenie, No 2, 1955, pp 3-11.

*PL 480) OTS 61-11447
URDA

Mar 61

61-11494

Gorshenin, K. P.
CONCERNING THE BASIC PRINCIPLES OF SOIL
CLASSIFICATION (Ob Osnovnykh Printsipakh Klassi-
fikatsii Pochvy). 1962, 6p. PL-480 Agr.
Order from OTS \$0.50

61-11494

I. Gorshenin, K. P.
II. PL-480 Agr (61-11494)
III. National Science Foun-
dation, Washington, D C.

Trans. of Pochvovedenie (USSR) 1955, no. 2, p. 73-78.

DESCRIPTORS: *Soils, *Classification, *Geological
time, Mountains, *Geography, Temperature, Cli-
matic factors.

CIA 9086876

(Earth Sciences--Geology, TT, v. 7, no. 8)

Office of Technical Services

In Regard to Methods of Determining the Gas Exchange
Between Soil and Atmosphere, and Carbon Dioxide
Content in the Soil Air, by B. N. Nakarov.

RUSSIAN, per, Pochvovedenie, No 2, Feb 1955, pp 85-87.
CIA 9016915

Sci - Geophysics
Mar 58

USDA
EROL 44 *Amint* T-207
60,252

Method for Aggregate Analysis of Soil, by L. N.
Makarov, 11 pp.

RUSSIAN, per, Pochvovedenie, No 2, 1955, pp 92-93.

SLA R-3156

Sci

Aug 59

93, 626

Conference on Tree Planting for Shelterbelts, by
N. R. Pis'mennyi.

RUSSIAN, per, Pochvovedenie, No 2, 1955, pp 94-96.
CIA 9006779

USDA

7021
40,347

USBR - Econ
Nov 1956 GTS/dex

Effect of Mole Drainage and Subsoil Plowing on the Water -
Salt Regime in Soils and Yields (of Cereals) Under
Conditions of Baraba, by P. Truss.

RUSSIAN, per, Pochvovedenie, No 4, Apr 1955, pp 62-66.
CIA 9016914

USDA

USSR
Econ
Geophysics
Mar 58

60,251

Zavalishin, A. A

The question of the present-day position of the problem on the systematics and classification of soils (K voprosu o sovremennom sostoyanii problemy sistematiki i klassifikatsii pochv). — Pochvovedenie (Moscow), (4): 69-81. 1955. In Russian.

** LTS - So - 5/19/57*

On Automatization of Determinating of the Soil
and Ground Moisture, by B. M. Gumenakiy.

RUSSIAN, par, Pochvovedenie, No 4, 1955,
pp 85-89.

CSIRO

Sci - Chem
Apr 62

190,461

Some New Methods of Studying the Porosity and
Structure of Soil, by M. Pol'skiy.

RUSSIAN, per, Pochvovedenie, No 5, 1955, pp 29-43.

SLA R-3646

Soi

Aug 59

95, 152

Soil Changes Under Shelterbelts in the Conditions
of the Caspian Lowland, by A. P. Biryukova,
9 pp. 9080436

RUSSIAN, Pochvovedeniye, No 6, 1955, pp 60-65.

OT

OTS 60-21872
PL 480

Sci - Geophysics
Sep 61
PST No 262

166,918

The Positive Influence of Forest Strips
(Shelter Belts) on the Moisture of Cis-Caucasian
Chernozem During the Warm Season, by
A. F. Kalashnikov, 14 pp. 9080441

RUSSIAN, per, Pochvovedeniye, No 6, 1955,
pp 74-82.

OTS 60-21887
PL 480

Sci - Geophys
Sep 61
PST No 272

166 919

Investigation of Nitrogen Nutrition and
Metabolism in Plants by Using N15 Isotope, by
F. V. Turchin, et al.

RUSSIAN, no per, Pochvovedeniye, No 7, 1955,
pp 1-12. CIA 9006524

USDA

See author file: Duplication of article in 5 vol.
work "Conference on Peaceful Uses of Atomic
Energy" translated and published by GPO

Soil Moisture Measurement by Means of Gamma
Rays, by A. I. Danilin.

RUSSIAN, no per, Pochvovedenie, No 7, 1955,
pp 74-83. CIA 9002775

USDA

Scientific - Biology

44, 091

Intake of Labelled Phosphorus by the Plant as a
Function of the Depth of its Application to the
Soil, by I. Mos³gov, A. Panova, 5 pp.

RUSSIAN, per, Pochvovedenie, No 7, 1955, pp
92, 93.

SIA R-3617

Sci

Aug 59

95, 150

Practical Laboratory Methods on the Determina-
tion of the Degree of Soil Salinity, by I. N.
Antipov, L Ya. Manayeva.

RUSSIAN, par, Pochvovedenie, No 8,
1955, pp 61-65.

CSIRO

Sci - Chem
Apr 62

190,463

The Nature of Soil Acidity, by D. Askinani,
RUSSIAN, per, Pochvovedenie, ^{No 9} Vol ~~IX~~, 1955,
p 17-24.

CSIRC 3165

Sci

Jul 58

68,752

Quantitative Relation between the Tension of
Water Vapor and the Amount of Water Absorbed
by the Soil, by N. Sochavanov.

RUSSIAN, per, Pochvovedenie, No 9, 1955, pp
49-55.

CSIRO-3087

Sci
Aug 58

70.377

Some Data on the Mineralogical Composition
of "Silica Powder" in Forest-Steppe Soils,
by A. A. Rode, I. I. Feofarova. 2 pp.
RUSSIAN, per, Pochvovedeniye, No 9, 1955,
pp 58-59.
*CFSTI TT 66-51126

USSR
Sci/M&M
Jan 66

The Role of Phosphates in Increasing
Soil Fertility, by A. Dushechkin, et al.

RUSSIAN, per, Pochvovedenie, No 10,
1955, pp 1-10.

CSIRO 3561

Sci - Chem

Mar 62

182,361